an optical section including at least a lens for directing image light from the image upon the color sensor and an infrared cutoff filter for filtering the image light directed upon the color sensor, said optical section having optical spectral characteristics comprised of a specific lens spectral characteristic which together define the optical response of a specific optical section employed in the digital camera;

the combination of said spectral sensitivities of the color sensor and the spectral characteristics of the optical section uniquely distinguishing [this] the digital camera from other digital cameras of the same type;

a memory containing matrix coefficients uniquely determined for [this] the camera in order to generate the optimized color signal, said matrix coefficients being part of a device profile for correcting the spectral sensitivities of the color sensor and the spectral characteristics of the optical section for the color sensitivities of the connection space; and

means for providing the color [image] signal and the matrix coefficients to the external processor.

Remarks

Applicant gratefully acknowledges the allowability of claims 1-28, subject to overcoming the rejections under 35 U.S.C. §112. The amended claims are in response to these rejections, and substantially incorporate the Examiner's requirements and suggestions.

Also enclosed herewith are copies of the requested references mentioned in the specification, as follows:
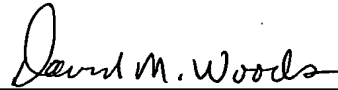
1. Color Science in Television and Display Systems by W. N. Sproson, published by Adam Hilger Ltd., 1983.

2. CIE publication 15.2 (1986) <u>Colorimetry - Second Edition</u>.

3. ICC Profile Format Specification (Version 3.2, November 20, 1995) published by the International Color Consortium.

    It is believed that the claims in the application are allowable over the prior art and such allowance is respectfully requested.

Respectfully submitted,

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Enclosures

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